ABSTRACT OF JP 05125400

L2 ANSWER 7 OF 9 CA COPYRIGHT 2001 ACS
AN 119:162902 CA
TI Manufacture of caking-resistant nonionic surfactant granule compositions with high **bulk density** and flowability
IN Yamashita, Hiroyuki; Kondo, Hiroyuki; Hatano, Koichi; Nakano, Katsunori; Toyoda, Koji
PA Kao Corp, Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C11D017-06
ICS C11D011-00
CC 46-3 (Surface Active Agents and Detergents)
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | JP 05125400 | A2 | 19930521 | JP 1992-107460 | 19920427 |
| PRAI | JP 1991-112929 | | 19910517 | | |
| | JP 1991-194268 | | 19910802 | | |

AB The title compns. (bulk d. 0.6-1.2 g/mL) are prepd. from 15-70 parts oil-**absorbent** porous carrier (pore vol. 100-600 cm3/100 g, sp. surface area 20-700 m2/g, oil absorption >100 mL/100 g) and 30-85 parts **nonionic** surfactants in a stirred vessel by forming a powder adhesion layer on the vessel wall forming a clearance from the stirring blades, granulating such layer into high-d. granules by the stirrer blade, and **coating** the granules with **fine powder**. Granules were prepd. from 65 parts polyoxyethylene dodecyl ether and 35 parts amorphous silica, covered with 2 parts amorphous silica.
ST caking resistant nonionic surfactant granule; silica nonionic surfactant granule
IT Surfactants
(nonionic, granules of, manuf. of, caking-resistant)
IT 546-93-0, Magnesium carbonate 7631-86-9, Silica, uses
RL: USES (Uses)
(in caking-resistant nonionic surfactant manuf.)
IT 9002-92-0, Polyoxyethylene dodecyl ether
RL: TEM (Technical or engineered material use); USES (Uses)
(surfactants, granules, manuf. of caking-resistant)

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